JOINT DECLARATION OF TERRI McMILLON & SHERRY LICHTENBERG

ATTACHMENT 1

1-III.D(13)

Ordering

If orders are mechanically processed in different locations, provide the locations (city, state) and detail of what orders or what geographical area is covered by each location.

Response: MOKA orders are generally processed on processors located in the St. Louis Data Center; Texas orders are generally processed on processors located in the Dallas Data Center.

Responsible Person: Elizabeth Ham
SWBT
Vice President, Long Distance Compliance
13075 Manchester Road, Room 256
St. Louis, Missouri 63131

JOINT DECLARATION OF TERRI McMILLON & SHERRY LICHTENBERG

ATTACHMENT 2

Oklahoma Cause No. PUD 970000560
Sprint Communications Company L.P.
Request of Information of 08/08/00
Data Request No. 1

Request: Was the St. Louis processor used or tested during the Texas 3rd Party Test or was the Texas 3rd Party test limited to the Dallas processor?

Response: The Dallas SORD processor was used in the Texas 3rd Party Test. SORD processors in St. Louis and Dallas Data Centers are identical.

Responsible Person:

Elizabeth A. Ham
Vice President, Long Distance Compliance
Southwestern Bell Telephone Company
13075 Manchester Road, Room 256
St. Louis, Missouri 63131

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DOCKET NO. 22315

PETITION OF SOUTHWESTERN BELL TELEPHONE COMPANY FOR ARBITRATION WITH AT&T COMMUNICATIONS OF TEXAS, L.P. TCG DALLAS, AND TELEPORT COMMUNICATIONS, INC. PURSUANT TO SECTION 252(B)(1) OF THE FEDERAL COMMUNICATIONS ACT OF 1996	§	**PUBLIC UTILITY COMMISSION OF TEXAS**

ARBITRATION AWARD

I. SUMMARY OF PROCEEDINGS

A. Procedural History

On March 23, 2000, Southwestern Bell Telephone Company (SWBT) filed a Petition for Arbitration with AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications, Inc. (collectively AT&T) pursuant to Section 252(b)(1) of the federal Telecommunications Act of 1996 (FTA) and P.U.C. PROC. R. 22.305. The hearing on the merits was held on July 31 and August 1, 2000.

This arbitration proceeding has been conducted in accordance with the Commission's rules and FTA Section 252(c). On May 31, 2000, the parties filed a joint decision point list (DPL), which was amended by agreement on August 4, 2000.[1] The scope of the issues addressed in this arbitration proceeding is limited to those issues identified in the DPL. By agreement, the parties extended the deadline for issuance of this Award until September 13, 2000.

[1] Parties Ex. No. 3, Revised Decision Point List.

B. Structure of the Award

The issues in the final DPL are grouped into the following five areas: physical network interconnection issues, intercarrier compensation issues, general terms and conditions, DSL issues, and OSS and billing issues. Because of the number of issues, this Award does not provide a detailed discussion of each issue presented in the DPL. Instead, the text of the Award addresses the issues that the parties focussed upon in their testimony and briefing. The remainder of issues are addressed in the DPL.[2] Accordingly, the Arbitrators have attached the DPL to this Award as "Attachment A" in order to provide a ruling on each discrete issue presented.

II. PHYSICAL NETWORK INTERCONNECTION ISSUES

DPL Issue Nos. 1 – 4

1. How should the quantity and location of interconnection points ("IP") in each LATA be determined and what operational and network responsibilities should each party have with respect to network interconnection?

4. If the Commission affirms AT&T's proposed network architecture for interconnection with SWBT, under what terms should conversion from existing arrangements occur and should each party bear its own costs to convert from the existing interconnection arrangements to the interconnection arrangements described in the resulting interconnection agreement?

SWBT's Position

SWBT asserts that the location and number of points of interconnection (POI) for the exchange of local traffic should be in the local exchange area[3] approved by this Commission; otherwise, SWBT argues that it will have to transport the local call across its network as if it were an intraLATA toll call, although local compensation would apply.[4] SWBT contends that

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[2] Only those issues currently in dispute that are not covered in the text of this Award are included on the attached DPL matrix.

[3] SWBT defines local exchange area as "the area covered by the local and mandatory local calling scope for SWBT and other LECs that has been approved by the Texas PUC." SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 4.

[4] SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 6.

AT&T's proposal increases transport costs and raises network reliability concerns.[5] SWBT also contends that its access tandems were not designed to handle local traffic.[6] SWBT asserts that a single POI would result in network congestion, tandem exhaust, and blocked trunks for all carriers using the same facilities.[7] SWBT adds that its proposal more equitably allocates the facility costs associated with the exchange of local traffic.[8] SWBT states that it should not be required to pay for AT&T's business plan.[9]

From a legal standpoint, SWBT maintains that its proposal is consistent with the Commission's decision in the *MCIW Arbitration*.[10] SWBT acknowledges that the Federal Communication Commission's (FCC's) *First Report and Order*[11] finds it technically feasible to provide interconnection on the trunk-side of the tandem switch.[12] SWBT, however, maintains that the question is not about the technical feasibility of interconnecting with a CLEC: "Rather, the issue, as local competition moves forward, is how networks should be designed to deal with traffic growth and how investment should be shared by interconnecting carriers."[13]

AT&T's Position

AT&T agrees with SWBT that interconnection points should be negotiated between the parties, but failing agreement, AT&T asserts that "each party should have equivalent obligations to deliver traffic to equivalent points in the other party's network."[14] AT&T maintains that each

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[5] SWBT's Post-Hearing Brief at 7.

[6] SWBT Ex. No. 2, Rebuttal Testimony of Robert Jayroe at 6.

[7] SWBT's Post-Hearing Brief at 8.

[8] *Id.*

[9] *Id.* at 13.

[10] *Petition of Southwestern Bell Telephone Company for Arbitration with MCI Worldcom, Inc. Pursuant to Section 252(b)(1) of the Federal Telecommunications Act of 1996,* Docket No. 21791, Arbitration Award (May 26, 2000).

[11] Implementation of the Local Competition Provisions in the Telecommunications Act of 1996, *First Report and Order*, CC Docket No. 96-98, 11 FCC Rcd 15499.

[12] *Petition of Southwestern Bell Telephone Company for Arbitration with AT&T Communications of Texas, L.P., TCG Dallas, and Teleport Communications, Inc. Pursuant to Section 252(B)(1) of the federal Telecommunications Act of 1996,* Arbitration Hearing Tr. at 49 (July 31 – Aug. 1, 2000) (Arbitration Hearing Tr.).

[13] SWBT's Post-Hearing Brief at 13-14; *see also* SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 5-6.

[14] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 4 (emphasis in original).

party's interconnection points[15] should be located at the top of its network and that each party should be responsible for delivering interconnection traffic[16] to the other party's interconnection points.[17] AT&T opposes SWBT's efforts to require AT&T to have a POI in each local exchange; AT&T notes that such an arrangement compromises the network architecture deployed by AT&T, requiring the AT&T network to be a "SWBT-look-a-like."[18] AT&T states:

> The Commission has long recognized the legitimacy of CLECs having their own calling scopes, indeed it is such *differences* between the operations of CLECs and the ILEC that should produce the benefits of competition. But the Commission has yet to see significantly different CLEC calling scopes for residential consumers, and as long as fundamental aspects of the interconnection relationship, be it reciprocal compensation or points of interconnection, continue to be tied to the ILEC's local exchange area then local exchange competition will continue to be just a slight variation on the ILEC theme.[19]

AT&T proposes to establish interconnection points based on the number of SWBT tandem switch centers and AT&T switch centers in the LATA.[20] AT&T stated that it would generally be AT&T's preference to have a minimum of two interconnection points in each LATA, unless the parties exchange a de minimis amount of traffic between the parties. AT&T acknowledges that more interconnection points are probably better in order to have robustness in the interconnection.[21]

AT&T states that federal law is clear in that it allows the CLEC to choose the most economically efficient points of interconnection.[22] SWBT is relieved of that obligation only if it

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[15] AT&T defines this as the point at which it receives traffic for termination. AT&T Ex. No. 1, Direct Testimony of David L. Talbott at 9.

[16] AT&T defines this as traffic originating on or transiting through its network. *Id.*

[17] *Id.*

[18] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 8.

[19] *Id.* at 8-9.

[20] AT&T Ex. No. 1, Direct Testimony of David L. Talbott at 16-17.

[21] Arbitration Hearing Tr. at 65 (July 31, 2000).

[22] AT&T Ex. No. 1, Direct Testimony of David L. Talbott at 4; Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 11, 16 ("In its *Local Competition Order*, the FCC stated that section 251(c)(2) 'allows competing carriers to choose the most efficient

proves to this Commission by clear and convincing evidence that such interconnection is technically infeasible.[23] AT&T contends that interconnection at the access tandem is presumptively reasonable under the FCC's *First Report and Order*, and because numerous other RBOCs allow CLECs to interconnect at the access tandem.[24] AT&T maintains that SWBT has not shown technical infeasibility. AT&T points out that SWBT's evidence is "nothing more than an argument that there may be additional costs to allow interconnection at SWBT's access tandem switch centers. . . ."[25] AT&T asserts that cost has been rejected as a basis for technical infeasibility.

Finally, AT&T notes that the FCC's decision granting SWBT the right to provide long distance service reconfirmed AT&T's right to interconnect at the most efficient point: "[t]he FCC noted with approval the WorldCom interconnection agreement which permits WorldCom to designate 'a single interconnection point within a LATA.'"[26]

Arbitrators' Decision

As noted by the parties, several FCC Orders and two recent Texas Commission arbitration awards are relevant to the discussion of these issues. The MCIW Arbitration Award was issued on May 26, 2000 and the Level 3 Arbitration Award was issued on August 11, 2000.[27] The Commissioners considered the *MCIW Arbitration* at the August 10, 2000 Open Meeting but have not yet issued an Order. Inasmuch as the Commission's decision in the *MCIW Arbitration* will be precedential in this case from a legal standpoint, the Arbitrators defer the decision on these issues until after an Order is issued in the *MCIW Arbitration*. The Arbitrators

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points at which to exchange traffic with incumbent LECs, thereby lowering the competing carriers' costs of, among other things, transport and termination of traffic.'").

[23] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 16.

[24] Post-Hearing Reply Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 5.

[25] *Id.* at 4.

[26] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 16.

[27] *Petition of Southwestern Bell Telephone Company for Arbitration with MCI Worldcom, Inc. Pursuant to Section 252(b)(1) of the Federal Telecommunications Act of 1996*, Docket No. 21791, Arbitration Award (May 26, 2000); *Petition of Level 3 Communications, LLC for Arbitration Pursuant to Section 252(B) of the Communications Act of 1934, as Amended by the Telecommunications Act of 1996, and PURA for Rates, Terms, and Conditions with Southwestern Bell Telephone Company*, Docket No. 22441, Arbitration Award (Aug. 11, 2000).

will issue a Revised Award in this proceeding within five business days of the filing of the MCIW Commission Order.

2. Should the parties establish one-way or two-way trunks for the delivery of local, intraLATA toll and transit traffic?

SWBT's Position

SWBT believes that one-way trunks are less efficient than two-way trunk groups.[28] SWBT notes that the total call-carrying capacity of two one-way trunk groups, a group in each direction, is less than the call carrying capacity of a single two-way trunk group with the same total number of trunks.[29] SWBT maintains, therefore, that two-way trunk groups reduce the total number of trunks required to carry a particular traffic load, which reduces the cost of trunk terminations and facilities.[30] SWBT also asserts that two-way trunks help prevent tandem exhaust, reduce blockage and stranding, and are able to accommodate "calling busy cycles."[31] SWBT also points out that an additional benefit to two-way trunking is that CLECs are able to control (initiate orders to increase or decrease) the size of the trunk groups since they have administrative control over trunk groups.[32]

SWBT argues that CLECs demanded two-way trunking architecture during the development of the Texas 271 Agreement (T2A) in Docket No. 16251.[33] SWBT further argues that AT&T should not unilaterally be allowed to change the standard that this Commission deemed appropriate. Other CLECs and ILECs should have the ability to present comments at a trunking forum to determine if it is beneficial for the industry to return to one-way trunking.[34]

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[28] SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 8.

[29] *Id.* (One-way trunk groups are less efficient because "[t]he call-carrying capacity of a trunk group is based on the probability that every trunk in the group will be needed at the same time. A two-way trunk group provides the maximum flexibility to carry a call placed in either direction. Splitting a two-way group of a particular size into two one-way trunk groups, one in each direction, causes some loss of that flexibility, and hence, loss of efficiency (i.e., call-carrying capacity) of the total number of trunks.")

[30] *Id.* at 10.

[31] SWBT's Post-Hearing Brief at 16; *See also* Arbitration Hearing Tr. at 95–96 (July 31, 2000), 119–220 (Aug. 1, 2000).

[32] SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 11.

[33] Arbitration Hearing Tr. at 87-90 (July 31, 2000); SWBT's Post-Hearing Brief at 14.

[34] SWBT's Post-Hearing Brief at 15.

From a legal perspective, SWBT asserts that when the FCC required ILECs to provide two-way trunking upon request, the FCC was showing a preference for two-way trunking.[35] SWBT further asserts that federal law requires ILECs to provide two-way trunking where technically feasible.[36]

AT&T's Position

AT&T maintains that the parties should provision one-way trunks for local traffic and two-way trunks for traffic destined for IXC customers and transit traffic.[37] AT&T admits that two-way trunks are "moderately" more efficient, depending upon the volume of traffic.[38] AT&T objects to the use of two-way trunks for local traffic because of the administrative expense[39] and because AT&T is required to pay for one-half of the trunking costs, when AT&T generates only 28% of the traffic.[40] AT&T believes that one-way trunks allow each party to manage its own network.[41] AT&T asserts that two-way trunks are equitable only when traffic is perfectly in balance.[42] Two-way trunks place an unfair financial burden on the party originating less traffic.[43] "Furthermore, the current inequity of requiring AT&T to pay for a disproportionate share of trunking costs only provides a financial disincentive for AT&T to add additional end office trunks, which exacerbates any tandem congestion."[44]

From a legal standpoint, AT&T quotes FCC Rule 51.305(f): "If techically feasible, an incumbent LEC shall provide two-way trunking upon request." AT&T contends that the "undeniable assumption of the rule is that one way trunks are the default approach" and that

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[35] SWBT's Post-Hearing Reply Brief at 7.

[36] *Id.*

[37] AT&T Ex. No. 1, Direct Testimony of David L. Talbott at 17; Arbitration Hearing Tr. at 99 (July 31, 2000).

[38] Arbitration Hearing Tr. at 84 (July 31, 2000).

[39] *Id.* at 84, 88-9, and 106.

[40] *Id.* at 78-80.

[41] *Id.* at 111-12.

[42] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 18.

[43] *Id*

[44] *Id.*

trunks are converted to two-way only at the CLEC's discretion—not SWBT's.[45] AT&T further relies upon recent decisions by arbitrators in California and Kansas to support its request for one-way trunks.[46] Finally, AT&T notes that in the *First Report and Order* at paragraph 1062 the FCC stated: "The amount an interconnecting carrier pays for dedicated transport is to be proportional to its relative use of the dedicated facilities."[47] With two-way trunks, AT&T asserts, AT&T pays for 50 percent of the transport, even though AT&T delivers only 28 percent of the traffic.

Arbitrators' Decision

Based upon the fact that one-way trunks are less efficient than two-way trunk groups because two-way trunk groups provide the maximum flexibility to carry a call placed in either direction, the Arbitrators find that it is appropriate for the parties to continue using two-way trunks.[48] As SWBT witness Robert Jayroe testified: "The use of two-way trunk groups reduces the total number of trunks required to carry a particular traffic load, which, in turn, reduces the associated cost of trunk terminations and facilities."[49]

In the hearing, AT&T stated that much of AT&T's objections to the use of two-way trunks would be gone if the Commission requires the parties to pay for transport in proportion to traffic.[50] The Arbitrators understand the inequity of requiring AT&T to pay for 50 percent of the transport when AT&T is generating only 28 percent of the traffic. Therefore, although the Arbitrators require the continued use of two-way trunks, the Arbitrators find that the cost of transport facilities must be equitably shared in proportion to the originating carrier's traffic. If parties negotiate to have mid-span fiber meet, the cost of transport for two-way trunking shall also be negotiated.

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[45] *Id.* at 19.

[46] *Id.* at 20.

[47] *Id.* at 21.

[48] SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 8.

[49] *Id.*

[50] Arbitration Hearing Tr. at 108-09 (July 31, 2000).

3. How should the financial responsibility for interconnection facilities be allocated between the parties' networks?

SWBT's Position

Consistent with its two-way trunk proposal, SWBT proposes that AT&T should be financially responsible for approximately one-half of all tandem and direct end office trunking facilities.[51] SWBT maintains that the trunks used to interconnect with AT&T are dedicated to AT&T local, intraLATA and interLATA traffic and are not used by any other ILEC of CLEC.[52]

AT&T's Position

AT&T states that if the Commission were to continue to require two-way trunks, AT&T believes that each party should only be required to pay for its own use. AT&T proposes that (1) costs should be allocated using traffic data from the most recent three-month period; (2) the parties should conduct a quarterly traffic study; (3) costs should be apportioned for existing interconnection facilities based on the results of the first of such studies; and (4) costs for future trunking should be borne in proportion to the balance identified in the most recent traffic study.[53]

Arbitrators' Decision

As noted in response to Issue 2 above, the Arbitrators find that it is equitable for each party to pay commensurate with the level of traffic generated. AT&T proposes a method for doing so that seems reasonable to the Arbitrators; therefore, the parties Interconnection Agreement should reflect the same.

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[51] SWBT Ex. No. 1, Direct Testimony of Robert Jayroe at 6.

[52] *Id.*

[53] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 22; AT&T Ex. No. 1, Direct Testimony of David L. Talbott at 25.

III. DSL ISSUES

DPL Issue Nos. 1-4, 6 and 7

1. (SWBT's version) Should SWBT be required to provide access to the HFS portion of the loop as part of the UNE platform, even though SWBT is not the voice provider in such circumstances?

1. (AT&T's version) Should SWBT be required to provide access to the HFS portion of the loop to a UNE-P voice provider?

4. (SWBT's version) Should SWBT be obligated to support AT&T's transactions with other carriers to provide voice and data over a single loop?

4. (AT&T's version) Should SWBT be obligated to interact with AT&T's authorized agents as if they were AT&T?

6. (SWBT's version) What should happen in the event an end user disconnects service on a loop over which SWBT and an advanced services provider are currently providing voice and data services, and AT&T seeks to acquire the loop?

6. (AT&T's version) Where a customer wants to drop SBC voice and continue with voice & data, how may AT&T convert a SWBT retail voice customer (POTS) to AT&T-provided voice service and DSL service using a single unbundled loop/switch port combination leased from SWBT?

7. (SWBT's version) Should SWBT or AT&T own the splitter needed for line sharing, and where should it be located?

7. (AT&T's version) Should SWBT be required to own the splitter needed for line splitting and where should it be located?

SWBT's Position

Relying upon the FCC's *Line Sharing Order*,[54] SWBT asserts that it is not obligated to provide line sharing "to requesting carriers that are purchasing a combination of network elements known as the platform."[55] SWBT adds that in the FCC's *Line Sharing Order*, the FCC specifically stated that line sharing was not required where the incumbent LEC was not the voice provider, and gave as an example, the UNE platform.[56] SWBT states that, as AT&T defines it,

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[54] Deployment of Wireline Services Offering Advanced Telecommunications Capability, *Third Report and Order in CC Docket No. 98-147 and Fourth Report and Order in CC Docket No.* 96-98, CC Docket 98-147 (Rel. Dec. 9, 1999) ("*Line Sharing Order*").

[55] SWBT Post Hearing Brief at 37; *Line Sharing Order* at para. 72.

[56] *Id.*

UNE-P is the SWBT-combined loop and switch.[57] Therefore, SWBT states that, by definition, it is impossible to offer both voice and data services over UNE-P, inasmuch as the switch and loop must be disconnected, and reconnected through a splitter, in order to access both the voice and the high frequency portion of the loop.[58]

SWBT describes how AT&T can access the high frequency portion of the loop: first, after arranging for collocation space for the splitter and DSLAM, AT&T would connect this equipment to collocation cabling arrangements; second, AT&T would need to access loop makeup information; third, AT&T would order an unbundled xDSL-capable loop, and any necessary unbundled switching and shared transport from SWBT to be connected to its collocation arrangement; and fourth, AT&T would combine the unbundled xDSL-capable loop with a collocated splitter of integrated splitter and DSLAM.[59] After these steps are completed, AT&T would then disconnect its UNE-P.[60]

SWBT opposes AT&T's proposal that SWBT own the splitter because it imposes upon SWBT significant additional obligations that are not necessary for AT&T to use UNEs to provide service to its customers.[61] SWBT further explains its concerns:

> [A]lthough AT&T can share the use of a single UNE loop with a data provider under terms offered by SWBT, AT&T wants to shift to SWBT the burden of coordinating the shared use of a loop even though AT&T can perform this function for itself. AT&T's proposals would require SWBT to coordinate the activities of three carriers, SWBT, AT&T, and the data provider. This proposal would also put SWBT in the role of coordinating maintenance issues with two other carriers. In addition, AT&T's proposal requires SWBT to separate currently combined UNES and recombine these UNEs with other facilities that are not UNEs, i.e., SWBT-owned splitter as discussed below.[62]

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[57] SWBT Ex. No. 10, Direct Testimony of Carol Chapman at 5.

[58] SWBT's Post-Hearing Reply Brief at 20.

[59] SWBT Ex. No. 10, Direct Testimony of Carol Chapman at 6.

[60] *Id.*

[61] *Id.*

[62] *Id.* at 6-7.

SWBT acknowledges that it has agreed to provide the splitter in the case of line sharing, but SWBT argues that it makes no sense for SWBT to provide the splitter when SWBT is not the voice provider.[63]

From a legal standpoint, SWBT asserts that the FCC's *Line Sharing Order* and the *SWBT Texas 271 Order*[64] support SWBT's position. SWBT avers that in the *Line Sharing Order*, the FCC held that CLECs are not entitled to access the high frequency portion of the loop unless the ILEC remains the voice provider to that customer.[65] SWBT further asserts that the FCC restated its position in the *SWBT Texas 271 Order*.[66]

> We reject AT&T's argument that we should deny this application on the basis of SWBT's decision to deny its xDSL service to customers who choose to obtain their voice service from a competitor that is using the UNE-P carrier loop. Under our rules, the incumbent LEC has no obligation to provide xDSL service over this UNE-P carrier loop. In the *Line Sharing Order*, the Commission unbundled the high frequency portion of the loop when the incumbent LEC provides voice service, but did not unbundle the low frequency portion of the loop and did not obligate incumbent LECs to provide xDSL service under the circumstances AT&T describes.[67]

AT&T's Position

AT&T complains that it is discriminatory for SWBT to provide the splitter to data CLECs who are content to let SWBT continue providing the customer with voice service while not also providing it to UNE-P providers who keep the voice customer.[68] AT&T states that SWBT's position will seriously constrain competition for both voice and data services in Texas:

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[63] *Id.* at 7.

[64] Application of SBC Communications, Inc., Southwestern Bell Telephone Company, And Southwestern Bell Communications Services, Inc. d/b/a Southwestern Bell Long Distance, *Memorandum Opinion and Order*, CC Docket No. 00-65 (Rel. June 30, 2000) ("*SWBT Texas 271 Order*").

[65] SWBT's Post-Hearing Brief at 37. The FCC stated in part: "Accordingly, we conclude that incumbent LECs must make available to competitive carriers only the high frequency portion of the loop network element on loops on which the incumbent LEC is also providing analog voice service. . . . Similarly, incumbent carriers are not required to provide line sharing to requesting carriers that are purchasing a combination of network elements known as the platform." *Line Sharing Order* at para. 72.

[66] SWBT's Post-Hearing Brief at 37.

[67] *SWBT Texas 271 Order* at para. 330.

[68] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 43.

> SWBT's control over the local loop and unique ability to offer voice/DSL packages has already propelled it to a dominant market position, with 9 out of 10 DSL customers in Texas receiving service from SBC, and with projections of 300,000 customers by years end. *See* Turner Direct, at 29-30. SBC's policy of denying CLECs the ability to offer a competing voice/DSL package to residential customers using the UNE-platform will secure that dominant position indefinitely, because UNE-P is the only vehicle that AT&T and others CLECs currently have to offer voice services for residential customers on a scale that could provide meaningful competition with SWBT and other ILECs.[69]

AT&T maintains, and SWBT admits,[70] that it is technically feasible for SWBT to condition UNE-P loops by adding a splitter, which would allow a UNE-P provider to offer both voice and data services.[71] Given that it is technically feasible, AT&T further maintains that SWBT is obliged by law to add a splitter.[72] AT&T argues that the splitter is part of the unbundled loop element and is subject to the unbundling requirements of prior FCC orders. AT&T notes that the FTA defines "network element" to include the "features, functions and capabilities that are provided by means of such facility or equipment."[73] AT&T asserts that the *Line Sharing Order* defined the high frequency portion of the loop as a capability of the loop.[74]

In addition, AT&T asserts that the "impair" standard is met on this record, because CLECs would be severely impaired in their ability to provide both voice and data services if this Commission were to accept SWBT's view that it is not legally required to provide splitter-equipped loops with UNE-P.[75] Relying on the *UNE Remand Order*,[76] AT&T alleges that the Commission need not reach the "impair" analysis. AT&T asserts that the splitter is properly considered part of the loop because it constitutes "attached electronics" necessary to allow

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[69] *Id.* at 44.

[70] Arbitration Hearing Tr. at 293-94 (Aug. 1, 2000).

[71] AT&T Ex. No. 11, Direct Testimony of Steven E. Turner at 8, 10-11.

[72] *Id.* at 45.

[73] *Id.* at 48 (quoting 47 U.S.C. § 153(29)); AT&T Ex. No. 11, Direct Testimony of Steven E. Turner at 9.

[74] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 48.

[75] *Id.* at 46.

[76] Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, *Third Report and Order and Fourth Further Notice of Proposed Rulemaking*, CC Docket No. 96-98 (Rel. Nov. 5, 1999) ("*UNE Remand Order*").

CLECs to take advantage of the full functions, features, and capabilities of the loop.[77] AT&T further maintains that adding a splitter to the loop is analogous in relevant technical respects to adding or removing loop electronics, such as bridge taps, load coils or conditioners.[78] In fact, splitters and load coils are composed of the same type of electronics: inductors.[79] AT&T further analogizes to SWBT's willingness to condition an 8db loop to a 5db loop: "This 'enhancement' of the loop is accomplished by SWBT disconnecting the cross-connect between the loop and the switch-port, and cross-connecting over to a conditioner. Similarly, adding a splitter is necessary to provide voice service when a customer also requests advanced data service over the same line. . . ."[80]

AT&T argues that there are significant disadvantages to SWBT's "disconnect UNE-P approach."[81] In order to add DSL for an existing UNE-P customer, AT&T would be required to dismantle the customer's existing loop/switch connection and order an unbundled DSL-capable loop and an unbundled switch port combined with shared transport, which will be connected to its collocation arrangement.[82] AT&T urges that SWBT's proposal would greatly increase the risk that CLEC customers would experience loss of voice service while switching to the CLEC voice/DSL service.

Arbitrators' Decision

The Arbitrators agree with AT&T that it is purchasing all capabilities of the loop including the low and high frequency spectrum portion of the loop when it purchases the unbundled loop in combination with the switch port or the unbundled network element platform (UNE-P).[83] As noted by AT&T, in the FCC's *Line Sharing Order* the FCC defined the high

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[77] *Id.*

[78] AT&T Ex. No. 11, Direct Testimony of Steven E. Turner at 16 (June 16, 2000); AT&T Ex. No. 12, Rebuttal Testimony of Steven E. Turner at 7.

[79] Arbitration Hearing Tr. at 330 (Aug. 1, 2000).

[80] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 47 (citing to Arbitration Hearing Tr. at 330).

[81] Initial Post-Hearing Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 52-55.

[82] *Id.* at 52.

[83] A SWBT-combined UNE-P has an existing cross-connect jumper wire between SWBT's cable pair and the central office equipment. Arbitration Hearing Tr. at 255 (Aug. 1, 2000).

frequency portion of the loop as a capability of the loop.[84] In order to gain access to the high frequency portion of the UNE loop, line splitting is required.[85] Such line splitting is accomplished by means of passive electronic equipment referred to as splitters.[86] A splitter is a device that splits the low and high frequency portion of the loop.[87]

Although, as noted by SWBT, the FCC has to date, not required ILECs to provide the splitter in either a line sharing or line splitting context, the Arbitrators believe this Commission has the authority to do so on this record. The FCC has clearly stated that its requirements are the minimum necessary, and that state commissions are free to establish additional requirements, beyond those established by the FCC, where consistent.[88] Indeed, in the *SWBT Texas 271 Order*, the FCC acknowledged that line splitting, a recent development, would be subject to potential arbitration before the Texas Commission.[89] The Arbitrators, therefore, believe on this record that it is sound public policy to require SWBT to provide AT&T with a UNE loop that is fully capable of supporting any xDSL service.

AT&T has opted into Attachment 6 of the T2A; the Arbitrators note that Attachment 6 allows AT&T to use one or more Network Elements to provide any technically feasible feature, function, or capability of such Network Element. Attachment 6 of the T2A further allows AT&T access to the loop. The FCC has previously stated that an ILEC must provide a requesting telecommunications carrier access to UNEs, along with all of the UNE's features, functions, and capabilities, "in a manner that allow the requesting telecommunications carrier to provide **any** telecommunications service that can be offered by means of that network element."[90] The FCC has held on numerous occasions that this duty applies to a CLECs' use of unbundled loops to provide DSL services.[91] The FCC reiterated in the *UNE Remand Order* that the loop includes

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[84] *Line Sharing Order* at para. 17; Arbitration Hearing Tr. at 257 (Aug. 1, 2000).

[85] *Id.* at 349, 359-60.

[86] *Id.* at 328.

[87] *Id.* at 257-58.

[88] *UNE Remand Order* at paras. 154-60; *Line Sharing Order* at paras. 223-25.

[89] *SWBT Texas 271 Order* at para. 329.

[90] 47 C.F.R. § 51.307 (emphasis added).

[91] *See, e.g., First Report and Order* at paras. 380, 382; *UNE Remand Order* at paras. 166-67.

"attached electronics" if such electronics are necessary to fully access the loops features, functions and capabilities in order to provide service to end users.[92]

The Arbitrators find that line splitting is necessary to gain access to the high frequency portion of the loop in order to allow AT&T to take advantage of the full functions, features, and capabilities of the loop. The Arbitrators find, consistent with the *UNE Remand Order*, that excluding the splitter from the definition of the loop would limit its functionality.[93] The Arbitrators further find that it is technically feasible for SWBT to furnish and install splitters to gain access to the high frequency portion of the UNE loop when purchased in combination with the switch port.

The Arbitrators recognize that the FCC specifically rejected DSLAMs as part of the "attached electronics" of the loop because of its determination that DSLAMS are used solely to provide advanced services.[94] Accordingly, the Arbitrators believe it would be inaccurate from a technical standpoint to analogize splitters to DSLAMs.[95] As noted above, a splitter is a passive device necessary to access both the voice and data portions of the loop in order to provide an end use customer with both voice and xDSL service. By contrast, a DSLAM is used primarily for the routing and packetizing of data.[96] The Arbitrators note that adding a splitter to the UNE-loop is no different than adding a circuit-enhancing device to the loop at the central office. As AT&T stated in the hearing, when SWBT is conditioning a loop to minimize loss, i.e., 8 db to 5 db, SWBT disconnects the cross-connect between the loop and port and inserts an enhancer, similar to a splitter.[97] As AT&T witness Steven Turner testified:

> It is indisputable that bridge taps are routinely installed in the ILEC's loop plant, and that the FCC has expressly recognized the right of a purchaser of a loop element to insist that bridged taps be removed, even where the ILEC does not

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[92] *UNE Remand Order* at para. 175.

[93] *Id.*

[94] *Id.*

[95] The FCC is currently addressing the issue of whether equipment that is multifunctional (i.e. used for both voice and date) should be included in the definition of a loop. Deployment of Wireline Services Offering Advanced Telecommunications Capability and Implementation of the Local Competition Provisions of the Telecommunications Act of 1996, *Order on Reconsideration and Second Further Notice of Proposed Rulemaking in CC Docket No. 98-147 and Fifth Further Notice of Proposed Rulemaking in CC Docket NO. 96-98*, at para. 122, CC Docket No. 98-147 and CC Docket No. 96098 (Rel. Aug. 10, 2000).

[96] *UNE Remand Order* at paras. 303-04.

[97] Arbitration Hearing Tr. at 334-35 (Aug. 1, 2000).

> ordinarily perform such removals for itself, because it is not providing advanced services to those customers. It is likewise indisputable that load coils – which in fact are nothing but low-pass filters – may be part of a loop, and the FCC has expressly recognized the right of a purchaser of a loop element to insist that load coils be removed.[98]

In Texas, SWBT has voluntarily agreed to provide data CLECs with a splitter when SWBT is the voice provider,[99] a situation known as line sharing.[100] A data CLEC is, therefore, not required to collocate in order to access a splitter,[101] although a data CLEC would need to collocate its DSLAM on SWBT's premises.[102] Instead, SWBT places the splitter in a common area constructed by SWBT.[103] The data CLEC can access the common area to do tests.[104]

The Arbitrators find that based upon the evidence in this record there is no technical distinction between line sharing and line splitting, as the splitter provides access to the same functionality of the loop in both contexts. The Arbitrators agree with AT&T that it is discriminatory for SWBT to provide the splitter in a line sharing context while not providing the splitter in a line splitting context. The Arbitrators believe that SWBT's policy will have the effect of severely limiting the number of data CLECs with which a UNE-P provider can partner in order to offer advanced services. Many data CLECs are relying upon SWBT to provide the splitter.[105] Although SWBT indicated in the hearing that some data CLECs are providing their own splitters, SWBT could not substantiate the number or percentage of data CLECs providing their own splitters.[106] Given the demand for advanced services, this could prove to be crippling

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[98] AT&T Ex. 11, Direct Testimony of Steven E. Turner at 16.

[99] Arbitration Hearing Tr. at 286 (Aug. 1, 2000).

[100] Arbitration Hearing Tr. at 253-54 (Aug. 1, 2000); *see also Petition of IP Communications Corporation to Establish Expedited Public Utility Commission of Texas Oversight Concerning Line Sharing Issues*, Docket No. 22168 and *Petition of Covad Communications Company and Rhythms Links, Inc. Against Southwestern Bell Telephone Company and GTE Southwest Inc. for Post-Interconnection Dispute Resolution and Arbitration Under the Telecommunications Act of 1996 Regarding Rates, Terms, Conditions and Related Arrangements for Line Sharing*, Docket No. 22469, Interim Arbitration Award (June 6, 2000).

[101] Arbitration Hearing Tr. at 350 (Aug. 1, 2000).

[102] *Id.*

[103] *Id.* at 354.

[104] *Id.* at 354-55.

[105] *Id.* at 352-53.

[106] *Id.* at 351-52.

from a competitive standpoint, especially if ASI, SWBT's DSL affiliate, has no obligation to continue providing advanced services to a customer who is using AT&T as its voice provider.

As noted above, the Arbitrators in this case find that SWBT is required to provide the splitter in order to allow AT&T to access the full functionality of the loop. Although not dispositive in this case, the Arbitrators also believe that this decision will promote more rapid deployment of advanced services to a broader cross section of customers, as required by Section 706 of the FTA. The evidence in this case shows that SWBT's proposal requiring UNE-P CLECs to collocate in order to gain access to the high frequency portion of the loop, (1) unnecessarily increases the degree of coordination and manual work and accordingly increases both the likelihood and duration of service interruptions; (2) introduces unnecessary delays for space application, collocation construction, and splitter installation; and (3) unnecessarily wastes central office and frame space.[107] Thus, the Arbitrators believe that SWBT's proposal significantly prohibits UNE-P providers from achieving commercial volume, not only because collocation is required but also because SWBT does not propose to prewire, or allow the CLEC to prewire, from the intermediate distribution frame (IDF) to the CLEC's splitter. Arbitrators presented with a scenario where the CLEC is not required to collocate and the ILEC is offering to prewire (or allow the CLEC to prewire) from the IDF to the CLEC splitter may very well reach a different conclusion than the Arbitrators reached in this case.

The Arbitrators further note that data CLECs that are exempt from 911 obligations under the Texas commission's waiver granted during certification will be required to maintain cross-connects for the voice portion if SWBT's proposal requiring the UNE-P provider to collocate its splitters at DLEC's collocation cage is adopted. From a public policy standpoint, the Arbitrators find this outcome problematic.

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[107] AT&T Ex. 11, Direct Testimony of Steven E. Turner at 22.

2. Should AT&T be permitted to opt into Attachment 25 of the T2A, even though it proposed a new appendix to that Attachment 25?

SWBT's Position

Relying upon the MCIW Arbitration Award, SWBT asserts that AT&T should not be permitted to cherry pick only a portion of Attachment 25, and exclude the legitimately related appendix.[108]

AT&T's Position

AT&T argues that it is not attempting to avoid taking certain legitimately related provisions, but wants to opt into a separate proposed line splitting appendix.[109] AT&T maintains that nothing in the T2A prevents AT&T from opting into parts of the T2A, including the legitimately related provisions, while negotiating or arbitrating the rest of the agreement.[110]

Arbitrators' Decision

The MCIW Arbitration Award states as follows: "Simply speaking, if a CLEC wishes to opt into T2A language, or something striking similar (including the terms and conditions of an attachment or appendix), it should also be required to opt into legitimately related terms and conditions of the T2A."[111] In this instance, AT&T is not attempting to avoid an appendix but is attempting to add one. Line splitting is not covered in the T2A; it was not even an issue in mid-1999 when the Commission was considering the T2A. By requiring CLECs to take legitimately related provisions, the Commission attempted to prevent cherry picking in the sense that CLECs may not take portions of an attachment, while rejecting less favorable aspects of the attachment. In this case, AT&T is not attempting to reject a less favorable aspect of the attachment. AT&T is attempting to address something that is new in this dynamic telecommunications market. The Arbitrators recognize AT&T's ability to add line splitting provisions and still opt into

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[108] SWBT's Post-Hearing Brief at 44.

[109] Post-Hearing Reply Brief of AT&T Communications of Texas, L.P., TCG Dallas and Teleport Communications of Houston, Inc. at 28.

[110] *Id.*

[111] *Petition of Southwestern Bell Telephone Company for Arbitration with MCI Worldcom, Inc. Pursuant to Section 252(b)(1) of the Federal Telecommunications Act of 1996*, Docket No. 21791, Arbitration Award at 5 (May 26, 2000).

Attachment 25; the Arbitrators' preference, however, would be to include the line splitting provisions as a separate attachment, if that is feasible from a legal perspective.

3. (SWBT's version) Should AT&T be permitted to unilaterally seek modification or deletion of any term of a line-sharing agreement upon 30 days notice?

3. (AT&T's version) Should AT&T be allowed to revise the terms and conditions of this Appendix in accordance with the dispute resolution provisions of the GT&Cs, in order to ensure that learnings from business knowledge can be incorporated in the agreement?

SWBT's Position

SWBT asserts that the Commission should reject AT&T's efforts to modify the Line Splitting Appendix to the Interconnection Agreement with 30 days' notice.[112] SWBT states that there is no reason this Appendix should be treated differently than the rest of the Agreement, which contains a change in governing law provision.[113]

AT&T's Position

AT&T asserts that the dynamic nature of data and data/voice services markets makes it necessary to have a more formal process for AT&T to seek modifications to the Interconnection Agreement as AT&T gains experience in the market.[114]

Arbitrators' Decision

The Arbitrators agree with SWBT. AT&T asserts that it needs certainty and wants this entire agreement to be in effect until October 13, 2003, yet wants the ability to revisit issues in this attachment. The Arbitrators find AT&T's arguments to be inconsistent and therefore reject AT&T's proposed language.

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[112] SWBT's Post-Hearing Brief at 44.

[113] Parties Ex. No. 3, Revised Decision Point List at 3.

[114] *Id.*